

**Comprehensive Site Profile (Sum-8)****Oak Ridge Reservation - Most Current Actual Data**

Data Sources: Facility Information Management System - November 2003
EM Corporate - FY 2001 Update
Pollution Prevention - 2002
Materials in Inventory - 1996

Facility Status	Reported Number of Facilities
Operating	2
Operational Standby	0
Shutdown Pending Transfer	0
Shutdown Pending D&D	0
D&D in Progress	0
Operating Pending D&D	7
Operating Under an Outgrant	0
Transfer to Another Federal Agency	0
Sale	0
Demolished	0
Deactivation	0
Shutdown Pending Disposal	0
No Information Provided	0
Total	9

Hazard Category Group *	Reported Number of Facilities
Radiological	259
Chemical Hazard	35
Radiological & Chemical Hazard	9
Not Applicable	2,510
No Information Provided	0
Total	2,832

* For the purposes of the CID, facilities with a "Radiological" Hazard Category Group are broadly defined to include those facilities that meet the definition for either Nuclear Facility Category 1, Nuclear Facility Category 2, Nuclear Facility Category 3, or Radiological Facility as defined in DOE Standard 1027-92. Facilities with a "Chemical Hazard" Hazard Category Group are those that contain quantities of chemicals that exceed the threshold quantity for those chemicals as defined by OSHA's Chemical Process Safety regulation 29 CFR 1910.119, Appendix A. Facilities with a "Radiological and Chemical Hazard" Hazard Category Group are those that meet the Radiological and Chemical Hazard definition. The Hazard Category Group of "Not Applicable" refers to facilities that do not meet either the Radiological or Chemical Hazard definition. "No Information Provided" is listed for a facility when no information pertaining to the Hazard Category Group is available.

Radioactive Waste Summary - 2000 Actual Data

Waste Type	Starting Inventory (m3)*	Reporting Period Additions (m3)*			Reporting Period Disposition Quantity (m3)*			Ending Inventory (m3)
		New	Process Outputs	Receipts	Treatment	Disposal	Other	
Low Level Waste	47,313.9620	4,030.000	1,956.710	0.000	1,311.000	3,313.000	171.100	35,149.00
Mixed Low Level Waste	10,579.9990	3,245.000	6,484.770	46.400	2,612.570	8,419.199	772.000	8,851.00
Transuranic Waste	2,305.0400	170.260	0.000	0.000	0.000	0.000	0.000	2,437.60

The management activity of "Other" is calculated by adding the values for NPDES discharges, recycling, other processing, and return to remediation unit.

Material balance may not be reflected in some CID reports for 1999 and 2000 data because inventory adjustments have been incorporated in the Ending Inventories.

* For Vitrified HLW, quantities are shown in "Number of HLW Canisters."

HLW generation data in the CID includes waste volumes that are incidental to the reprocessing of HLW.

Ex-Situ Contaminated Media Summary - 2000 Actual Data

Waste Type	Starting Inventory (m3)*	Reporting Period Additions (m3)*	Reporting Period Dispositions (m3)*			Ending Inventory (m3)*
			Treatment	Disposal	Other	
Low Level Waste	0.0000	1,277.220	0.000	1,277.220	0.000	0.0000
Mixed Low Level Waste	0.0000	743.030	0.000	743.030	0.000	0.0000
Transuranic Waste	0.0000	0.000	0.000	0.000	0.000	0.0000

The management activity of "Other" is calculated by adding the values for NPDES discharges, recycling, other processing, and return to remediation unit.

Material balance may not be reflected in some CID reports for 1999 and 2000 data because inventory adjustments have been incorporated in the Ending Inventories.

HLW generation data in the CID includes waste volumes that are incidental to the reprocessing of HLW.

Reported quantities do not include Groundwater or Wastewater.

Spent Nuclear Fuel Summary - 2000 Actual Data

Material	SNF Amount to be Managed (MTHM)***				SNF Disposition Activity (MTHM)***			
	Starting Inventory	On-Site Generation	Off-Site Receipts	Total	On-Site Treatment	Ship to other DOE Site for Management/Storage	Ship for Final Disposition	Total
Spent Nuclear Fuel	0.7260	0.1510	0.0000	0.8770	0.0000	0.1000	0.0000	0.1000

*** SNF amounts are reported in metric tons of heavy metal (MTHM)

Mass is not conserved (ie. Total SNF Amount to be Managed and Total SNF Final Disposition are not equal) because this report presents data for only one year in the stream lifecycle". The difference between Total SNF to Be Managed and Total SNF Final Disposition is the ending inventory for the current year shown on the report.

In-Situ Contaminated Media Summary - 2000 Actual Data

Waste Type	Reporting Year Management Strategy (m3)				Reporting Year Total Volume (m3)
	In-Situ Treatment	In-Situ Containment	Access/ Institutional Controls	No Action	
Low Level Waste	0.00	1,456,201.67	0.00	0.00	1,456,201.67
Mixed Low Level Waste	0.00	1,288,390.20	0.00	0.00	1,288,390.20

Reported quantities do not include Groundwater or Wastewater.

HLW generation data in the CID includes waste volumes that are incidental to the reprocessing of HLW.

Non-Radioactive Hazardous Waste

Classification	Waste Type	Amount (Metric Tons)
Hazardous	Non Routine RCRA	32.46
	Routine RCRA	14.93
	Non Routine State	0.00
	Routine State	0.00
	Non Routine TSCA	25.61
	Routine TSCA	0.00
Sanitary	Non Routine	7,389.17
	Routine	4,125.43
Total		11,587.60

Materials in Inventory (1996 Information Only)

Material Name	Material Category	Material Volume
Boric Acid	Chemicals	50.00 Pounds
Potassium Hydroxide	Chemicals	880.00 Pounds
Weapons Components	Weapons Components	120,000.00 Pieces
Carbon Steel	Scrap Metal and Equipment	35,318.00 Tons
Stainless	Scrap Metal and Equipment	114.00 Tons
Copper	Scrap Metal and Equipment	46.00 Tons
Aluminum	Scrap Metal and Equipment	1,211.00 Tons
Plutonium	Plutonium	1.77 Kilograms
Deuterium	Plutonium	0.00 Kilograms
Lead	Lead	15,825.00 Kilograms
Lead	Lead	909.00 Kilograms
Lead	Lead	454.00 Kilograms
Lead	Lead	881.00 Kilograms
Lead	Lead	108,861.60 Kilograms
U-233>20%	Plutonium	423.00 Kilograms

Cm	Plutonium	0.00 Kilograms
Plutonium	Plutonium	1.00 Kilograms
Low Enriched Uranium	Natural & Enriched Uranium	16,000.00 Kilograms
Thorium	Plutonium	3,000.00 Kilograms
Cf-252	Plutonium	0.00 Kilograms
Thorium	Plutonium	18.00 Kilograms
Low Enriched Uranium	Natural & Enriched Uranium	0.00 Kilograms
Normal Uranium	Natural & Enriched Uranium	10,000.00 Kilograms
Normal Uranium	Natural & Enriched Uranium	0.00 Kilograms
Low Enriched Uranium	Natural & Enriched Uranium	4,000.00 Kilograms
Depleted Uranium	Depleted Uranium	0.00 Kilograms
Low Enriched Uranium	Natural & Enriched Uranium	1,000.00 Kilograms
Highly Enriched Uranium	Natural & Enriched Uranium	0.39 Kilograms
Depleted Lithium	Lithium	50,000.00 Kilograms
Strategic Lithium (6Li)	Lithium	0.00 Kilograms
Strategic Lithium (6Li)	Lithium	0.00 Kilograms

Highly Enriched Uranium	Natural & Enriched Uranium	0.18 Kilograms
Highly Enriched Uranium	Natural & Enriched Uranium	0.04 Kilograms
Highly Enriched Uranium	Natural & Enriched Uranium	0.01 Kilograms
Hydrofluoric Acid	Chemicals	28.00 Containers
Sodium	Sodium	5,288.00 Gallons
Sodium	Sodium	1,100.00 Gallons
Sodium	Sodium	8,221.00 Gallons
NaK	Sodium	328.00 Gallons
Zinc Bromide	Chemicals	510.00 Gallons
Sodium	Sodium	860.00 Gallons
Calcium Metal	Chemicals	133.00 Gallons
Methyl Chloroform	Chemicals	2,365.00 Gallons
Nickel Enthrone-415C	Chemicals	240.00 Gallons
Acetic Acid	Chemicals	6,605.00 Gallons
Plating Solution	Chemicals	1,045.00 Gallons
Zinc Bromide	Chemicals	210.00 Gallons

Highly Enriched Uranium	Natural & Enriched Uranium	0.00 Kilograms
Highly Enriched Uranium	Natural & Enriched Uranium	Kilograms
Normal Uranium	Natural & Enriched Uranium	68,000.00 Kilograms
Normal Uranium	Natural & Enriched Uranium	4,000.00 Kilograms
Low Enriched Uranium	Natural & Enriched Uranium	0.00 Kilograms
Strategic Lithium (6Li)	Lithium	0.00 Kilograms
Strategic Lithium (6Li)	Lithium	0.00 Kilograms
Strategic Lithium (6Li)	Lithium	0.00 Kilograms
Strategic Lithium (6Li)	Lithium	0.00 Kilograms
Strategic Lithium (6Li)	Lithium	0.00 Kilograms
Strategic Lithium (6Li)	Lithium	0.00 Kilograms
Strategic Lithium (6Li)	Lithium	Kilograms
Carbon Steel	Scrap Metal and Equipment	1,629.00 Tons
Monel	Scrap Metal and Equipment	10.00 Tons
Aluminum	Scrap Metal and Equipment	42.00 Tons
Copper	Scrap Metal and Equipment	48.00 Tons

Aluminum	Scrap Metal and Equipment	22.00 Tons
Copper	Scrap Metal and Equipment	2.00 Tons
Depleted Uranium	Depleted Uranium	4,293,000.00 Kilograms
Virgin Lithium	Lithium	9,721,885.00 Kilograms
Mercury	Chemicals	2,900,312.00 Pounds
Epoxy Resins	Chemicals	3,083,875.00 Pounds
Np-237	Plutonium	0.02 Kilograms
Plutonium	Plutonium	100.00 Kilograms
Research & Commercial Fuel s	Spent Nuclear Fuel	739.00 Kilograms
Am-241	Plutonium	0.02 Kilograms
Normal Uranium	Natural & Enriched Uranium	1,000.00 Kilograms
Strategic Lithium (6Li)	Lithium	0.00 Kilograms
Strontium-90 Fluoride	Chemicals	26.40 Gallons
Stainless Steel	Scrap Metal and Equipment	147.00 Tons
Carbon Steel	Scrap Metal and Equipment	10,490.00 Tons
Stainless Steel	Scrap Metal and Equipment	752.00 Tons